

Table S1 Base composition of the mitogenomes of *M. aurasceus*

Gene	A+T (%)	AT skew	GC skew
<i>12S rRNA</i>	61.29	0.206	-0.096
<i>16S rRNA</i>	64.86	0.200	-0.084
<i>ND1</i>	65.06	0.006	-0.365
<i>ND2</i>	67.18	0.169	-0.538
<i>COX1</i>	62.46	-0.134	-0.100
<i>COX2</i>	65.5	0.036	-0.271
<i>ATP8</i>	70.61	0.139	-0.533
<i>ATP6</i>	65.35	-0.002	-0.330
<i>COX3</i>	63.14	-0.095	-0.232
<i>ND3</i>	68.59	-0.101	-0.284
<i>ND4L</i>	65.32	-0.134	-0.301
<i>ND4</i>	66.06	0.003	-0.380
<i>ND5</i>	67.1	-0.003	-0.382
<i>ND6</i>	67.62	-0.285	0.588
<i>Cytb</i>	62.98	-0.053	-0.294
D-loop	62.15	0.125	-0.255
Total	64.87	0.046	-0.262